STIC Search Report
EIC 2100

STIC Database Tracking Number: 167531

TO:	From:
Jungwon Chang **Location: RND 4D61** **Art Unit: 2154** **Monday, October 03, 2005** **Case Serial Number: 09/814154**	**Carol Wong** **Location: EIC 2100** **RND 4B28** **Phone: 571-272-3513** **Carol.Wong@uspto.gov**

Search Notes

Ex. Chang:

Attached are the search results (from commercial databases) for your case.

Color tags mark the patents/articles which appear to be most relevant to the case. Color of tag has no significance. Pls review all documents, since untagged items might also be of interest. If you wish to order the complete text of any document, pls submit requests directly to the EIC2100 Reference Staff located in RND 4B28.

Pls call if you have any questions or suggestions for additional terminology, or a different approach to searching the case. Finally, pls complete the attached Search Results Feedback form, as the EIC/STIC is continually soliciting examiner's opinion of the search service.

Thx,
Carol

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File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200562
         (c) 2005  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.

Set     Items   Description
S1      99814   WEATHER? OR CLIMATE? OR CLIME OR CLIMES OR METEOROLOG? OR -
             BAROMETE? OR BAROMETR? OR ANEMOL? OR AEROLOG?
S2        357   S1(5N)(DYNAMIC? OR REALTIME OR REAL()TIME? ? OR LIVE OR ST-
             REAM?)
S3     796521   STATION? ? OR SITE OR SITES OR NODE OR NODES OR LOCALIT? OR
              LOCATION? ? OR LOCALE? ?
S4    6563313   UNIT OR UNITS OR APPARATUS? OR APP?? ? OR INSTRUMENT? ? OR
             EQUIPMENT?
S5        760   MULTISTATION? OR MULTINODE? ? OR MULTISITE? ? OR MULTIUNIT?
S6      28529   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
             ROUS OR DIFFERENT OR MULTITUD? OR PLURIF? OR VARIOUS OR VARIE-
             TY)(1W)S3
S7       8438   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
             SERIES)(1W)S3
S8      39048   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
             ROUS OR DIFFERENT OR MULTITUD? OR PLURIF? OR VARIOUS OR VARIE-
             TY)(1W)S4
S9      18265   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
             SERIES)(1W)S4
S10         8   S2 AND S6:S9
S11         0   S2 AND S5
?
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10/9/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014459524 **Image available**
WPI Acc No: 2002-280227/200232
Related WPI Acc No: 2001-580496; 2002-327584; 2003-616264
XRPX Acc No: N02-218868

Geostationary orbit imaging satellite produces color images of Earth surface and transmits data to other satellite, ground terminal or network node

Patent Assignee: ASTROVISION INT INC (ASTR-N)
Inventor: HEWINS M; LECOMPTE M A; LECOMPTE M
Number of Countries: 096 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200174081	A1	20011004	WO 2001US8630	A	20010329	200232	B
AU 200159026	A	20011008	AU 200159026	A	20010329	200232	
US 20020041328	A1	20020411	US 2000192893	P	20000329	200232	
			US 2000205155	P	20000518		
			US 2000218683	P	20000717		
			US 2001820347	A	20010329		
EP 1290893	A2	20030312	EP 2001932507	A	20010329	200320	
			WO 2001US8630	A	20010329		
JP 2004501343	W	20040115	JP 2001571672	A	20010329	200410	
			WO 2001US8630	A	20010329		

Priority Applications (No Type Date): US 2000218683 P 20000717; US 2000192893 P 20000329; US 2000205155 P 20000518; US 2001820347 A 20010329
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200174081	A1	E	90	H04N-007/18	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200159026	A			H04N-007/18	Based on patent WO 200174081
US 20020041328	A1			H04N-007/18	Provisional application US 2000192893
					Provisional application US 2000205155
					Provisional application US 2000218683
EP 1290893	A2	E		H04N-007/18	Based on patent WO 200174081
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
JP 2004501343	W		146	G01W-001/08	Based on patent WO 200174081

Abstract (Basic): WO 200174081 A1

NOVELTY - Satellite comprises a color image sensor and a transmitter sending the image data produced to a remote location for real-time viewing, the images having a hyper-spectral resolution of 100m or better. The sensor is a CCD with at least 1024 x 1024 elements. A scan system changes the relative position of the image sensor w.r.t. the surface of the Earth, the transmitter has a data compression mechanism and can transmit to another satellite via a cross-link or to a ground terminal, **network node** etc., the sensor can operate at night

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for (1) a constellation of at least four imaging satellites in geostationary orbit, (2) a method of capturing and distributing real-time image data from geostationary orbit, (3) a maritime weather reporting system, (4) a weather event reporting system, (5) a method of providing

commodity-value related data to a commodity trader, (6) a computer-implemented commodity value data analysis apparatus, (7) a method of managing a transportation fleet, (8) a computer-implemented analysis apparatus for managing a transportation fleet, (9) a method of managing a public utility, (10) a computer-implemented public utility asset allocation apparatus, (11) a method of modelling weather patterns, (12) a method of mitigating weather-related damage and injury by issuing specific warning messages, (13) a computer-implemented analysis apparatus for mitigating weather-related damage and injury by issuing specific warning messages, (14) a method of assessing weather-related damage, (15) a weather-related damage assessment apparatus.

USE - Satellite is for making global observations of the Earth at sub-kilometer spatial resolutions in real - time for weather warning, agriculture and natural resource management, national security, leisure and entertainment.

ADVANTAGE - Satellite can provide a resolution for selected regions better than 10m, with night-time imaging and real - time weather data collection.

DESCRIPTION OF DRAWING(S) - The figure shows a geostationary-based real-time high resolution imaging and data distribution system.

pp; 90 DwgNo 3/19

Title Terms: GEOSTATIONARY; ORBIT; IMAGE; SATELLITE; PRODUCE; COLOUR; IMAGE ; EARTH; SURFACE; TRANSMIT; DATA; SATELLITE; GROUND; TERMINAL; NETWORK; NODE

Derwent Class: W02; W03; W04

International Patent Class (Main): G01W-001/08; H04N-007/18

International Patent Class (Additional): H04N-005/225; H04N-009/47

File Segment: EPI

Manual Codes (EPI/S-X): W02-F01; W03-A05A; W04-M

10/9/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013927607 **Image available**

WPI Acc No: 2001-411821/200144

XRPX Acc No: N01-304614

Network game apparatus , has game operation unit which performs game calculation that reflects real-time data received from host apparatus

Patent Assignee: NAMCO LTD (NAMC-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000308757	A	20001107	JP 99119255	A	19990427	200144	B

Priority Applications (No Type Date): JP 99119255 A 19990427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000308757	A		12	A63F-013/00	

Abstract (Basic): JP 2000308757 A

NOVELTY - The game apparatus (200) includes a receiving circuit to receive the real-time data acquired by real-time data acquisition apparatus (100) and transmitted by host apparatus (1300). Based on received real-time data, a game operation unit (220) performs game calculation that reflects the real-time data.

DETAILED DESCRIPTION - The real - time data include weather data, oceanic data, political data, economic data, sports data, race data, and order data. INDEPENDENT CLAIMS are also included for the following:

(a) a host apparatus;

(b) and an information storage medium.

USE - For playing network game.

ADVANTAGE - Provides game apparatus which can reflect data relating to change in real world in real-time.
DESCRIPTION OF DRAWING(S) - The figure shows a functional block diagram of the game apparatus and host apparatus.
Real-time data acquisition apparatus (100)
Game apparatus (200)
Game operation unit (220)
Host apparatus (1300)
pp; 12 DwgNo 1/6
Title Terms: NETWORK; GAME; APPARATUS; GAME; OPERATE; UNIT; PERFORMANCE; GAME; CALCULATE; REFLECT; REAL; TIME; DATA; RECEIVE; HOST; APPARATUS
Derwent Class: P36; W04
International Patent Class (Main): A63F-013/00
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): W04-X02C

10/9/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012988318 **Image available**
WPI Acc No: 2000-160171/200014
Related WPI Acc No: 2001-579166; 2002-338061; 2002-350745; 2003-777392
XRPX Acc No: N00-119547
Real - time weather information forecasting system installed in golf course, shopping complex, school, office and in homes
Patent Assignee: BARON SERVICES INC (BARO-N)
Inventor: BARON R O; BENSON T L; THOMPSON T S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6018699	A	20000125	US 9618921	P	19960604	200014	B
			US 97869269	A	19970604		

Priority Applications (No Type Date): US 9618921 P 19960604; US 97869269 A 19970604
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6018699	A		12	G06F-169/00	Provisional application US 9618921

Abstract (Basic): US 6018699 A
NOVELTY - A weather alert manager receives meteorological data and combines it with a geographical grid and produces profile for storm within a geographical area. **Several** remote **units** provide **real - time** site specific **weather** information in response to storm profile received via distribution network from alert manager.
DETAILED DESCRIPTION - The geographical grid covers a predefined geographic area to produce a storm profile. The storm profile includes a cell identifier that identifies a cell of geographic grid that is related to storm. The storm profile also includes a storm identifier, storm type identifier and a presence qualifier.
USE - Installed in golf course, shopping complex, school, office and homes and connected to TV cable network, telephone network, wireless network.
ADVANTAGE - The **real - time** site specific **weather** information are distributed to multiple users efficiently by using weather alert manager and remote units.
DESCRIPTION OF DRAWING(S) - The figure shows flowchart of operation of the weather information forecasting system.
pp; 12 DwgNo 5/5
Title Terms: REAL; TIME; WEATHER; INFORMATION; FORECAST; SYSTEM; INSTALLATION; GOLF; COURSE; SHOPPING; COMPLEX; SCHOOL; OFFICE; HOME
Derwent Class: S03; T01
International Patent Class (Main): G06F-169/00

File Segment: EPI
Manual Codes (EPI/S-X): S03-D05; T01-H07C5; T01-J03

10/9/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012813801 **Image available**
WPI Acc No: 1999-620032/199953
XRPX Acc No: N99-457312
Video signal multiplexing device e.g. for transmission of live weather information
Patent Assignee: EARTH VIEW TELEVISION & DATATRANSFER GMB (EART-N); WIEDENMANN H (WIED-I)
Inventor: WIEDENMANN H D; WIEDENMANN H
Number of Countries: 082 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9949665	A1	19990930	WO 98EP1794	A	19980326	199953	B
AU 9872113	A	19991018	AU 9872113	A	19980326	200009	
			WO 98EP1794	A	19980326		
EP 985320	A1	20000315	EP 98919162	A	19980326	200018	
			WO 98EP1794	A	19980326		
NZ 501580	A	20010525	NZ 501580	A	19980326	200132	
			WO 98EP1794	A	19980326		
US 20020018522	A1	20020214	WO 98EP1794	A	19980326	200214	
			US 99449394	A	19991126		
AU 764253	B	20030814	AU 9872113	A	19980326	200363	N
US 6738422	B2	20040518	WO 98EP1794	A	19980326	200433	
			US 99449394	A	19991126		

Priority Applications (No Type Date): WO 98EP1794 A 19980326
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9949665	A1	G	47	H04N-007/58	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9872113	A			Based on patent WO 9949665
EP 985320	A1	G	H04N-007/58	Based on patent WO 9949665

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI NL

NZ 501580	A		H04N-007/58	Based on patent WO 9949665
US 20020018522	A1		H04N-007/12	Cont of application WO 98EP1794
AU 764253	B		H04N-007/58	Previous Publ. patent AU 9872113
				Based on patent WO 9949665
US 6738422	B2		H04N-007/12	Cont of application WO 98EP1794

Abstract (Basic): WO 9949665 A1

NOVELTY - The video signal multiplexiing device (1) has a reception stage (4) with a number of image signal inputs (2), stored in a buffer memory stage (5) and read out via a read out stage (8) operating at a given bit rate, for providing a video signal comprising successive time segments of the different image signals.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM for an image signal source is also included.

USE - The video signal multiplexing device is used for combining a number of image signals, e.g. received from **different** geographical **locations** for monitoring local weather conditions.

ADVANTAGE - The device allows a number of image signals to be transmitted as a combined video signal for reduced cost.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic representation of a video signal multiplexing device

Video signal multiplexing device (1)
Image signal inputs (2)
Reception stage (4)
Memory stage (5)
Read out stage (8)
pp; 47 DwgNo 1/3
Title Terms: VIDEO; SIGNAL; MULTIPLEX; DEVICE; TRANSMISSION; LIVE; WEATHER; INFORMATION
Derwent Class: S03; W02; W04
International Patent Class (Main): H04N-007/12; H04N-007/58
International Patent Class (Additional): H04N-007/18
File Segment: EPI
Manual Codes (EPI/S-X): S03-D05; S03-D09; W02-F01X; W02-F07; W02-K02; W04-N05B5; W04-N05G5

10/9/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012253486 **Image available**
WPI Acc No: 1999-059593/199905
XRPX Acc No: N99-044410
Computer based real time weather information providing system for motorist, skier, wind surfer - has server which stores different real time weather data received from weather stations through base computer and outputs required data through multimedia computer network having various presentation modes
Patent Assignee: INT WEATHER NETWORK (ITWE-N)
Inventor: HEALY W R; ISSAC S; JONES J F E; SHELTON W A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5848378	A	19981208	US 96598185	A	19960207	199905	B

Priority Applications (No Type Date): US 96598185 A 19960207
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5848378	A		25	G06F-169/00	

Abstract (Basic): US 5848378 A
The system consists of **several** weather **stations** (1) where different weather data are measured. The data are digitised using converters (86) and send to base computers (5) which receive the data in real time. A software interface module (4) running in the base computer communicates the data to a server database computer (2) in real time mode.
A multimedia computer network (8) stores the weather data from the database locally. The network has different weather data presentation modes. A telephone driver unit (7) is provided which access the network for retrieving **real time weather** data of selected **weather** station and outputs a corresponding audio message to user.
USE - For hiker, fisherman.
ADVANTAGE - Enables to obtain **real time** weather data from **various weather stations** . Enables to obtain required information in various presentation modes.
Dwg.1,3/7
Title Terms: COMPUTER; BASED; REAL; TIME; WEATHER; INFORMATION; SYSTEM; MOTORING; SKI; WIND; SURF; SERVE; STORAGE; REAL; TIME; WEATHER; DATA; RECEIVE; WEATHER; STATION; THROUGH; BASE; COMPUTER; OUTPUT; REQUIRE; DATA ; THROUGH; COMPUTER; NETWORK; VARIOUS; PRESENT; MODE
Derwent Class: T01
International Patent Class (Main): G06F-169/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-D09; T01-H07C5S; T01-J06B1; T01-J07C

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File 348:EUROPEAN PATENTS 1978-2005/Sep W03
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050929,UT=20050922
         (c) 2005 WIPO/Univentio
File 324:German Patents Fulltext 1967-200538
         (c) 2005 Univentio

Set     Items   Description
S1     116042   WEATHER? OR CLIMATE? OR CLIME OR CLIMES OR METEOROLOG? OR -
              BAROMETE? OR BARAMETR? OR ANEMOL? OR AEROLOG?
S2       1034   S1(5N)(DYNAMIC? OR REALTIME OR REAL()TIME? ? OR LIVE OR ST-
              REAM?)
S3     269201   STATION? ?
S4     339387   SITE OR SITES
S5    2677093   NODE? ? OR UNIT OR UNITS OR APPARATUS? OR APP?? ? OR INSTR-
              UMENT? ? OR EQUIPMENT?
S6     100192   NODE OR NODES
S7       1014   MULTISTATION? OR MULTINODE? ? OR MULTISITE? ?
S8      72165   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
              ROUS OR DIFFERENT OR MULTITUD? OR PLURIF? OR VARIOUS OR VARIE-
              TY)(1W)(S3:S4 OR S6)
S9      21249   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
              SERIES)(1W)(S3:S4 OR S6)
S10        30   BAROMETR?(5N)(DYNAMIC? OR REALTIME OR REAL()TIME? ? OR LIVE
               OR STREAM?)
S11         5   (S2 OR S10)(20N)S7:S9
S12    536535   LOCALIT? OR LOCATION? ? OR LOCALE? ?
S13     40317   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
              SERIES)(1W)(S5 OR S12)
S14    155904   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
              ROUS OR DIFFERENT OR MULTITUD? OR PLURIF? OR VARIOUS OR VARIE-
              TY)(1W)(S5 OR S12)
S15         5   (S2 OR S10)(20N)S13:S14
S16         5   S15 NOT S11
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? t11/5,k/1-2,4-5

11/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00857007
APPARATUS AND METHOD FOR CONSTRUCTING A MOSAIC OF DATA
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES DATENMOSAIKS
SYSTEME ET PROCEDE DE REALISATION D'UNE MOSAIQUE DE DONNEES
PATENT ASSIGNEE:
Lockheed Martin Corporation, (251062), 6801 Rockledge Drive, Bethesda, MD 20817, (US), (Proprietor designated states: all)
INVENTOR:
LOGAN, Mark, J., 618 Valley Stream Circle, Langhorne, PA 19053, (US)
LEGAL REPRESENTATIVE:
Modiano, Guido, Dr.-Ing. et al (40786), Modiano, Josif, Pisanty & Staub, Baaderstrasse 3, 80469 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 789892 A2 970820 (Basic)
EP 789892 B1 000607
WO 9615504 960523
APPLICATION (CC, No, Date): EP 95944592 951103; WO 95US14479 951103
PRIORITY (CC, No, Date): US 334292 941104
DESIGNATED STATES: AT; CH; DE; DK; ES; FR; GB; IT; LI; PT; SE
INTERNATIONAL PATENT CLASS: G06T-011/00
CITED PATENTS (EP B): EP 351654 A; EP 388282 A; WO 88/09888 A; US 5150295 A
CITED REFERENCES (EP B):
IEEE TRANSACTIONS ON IMAGE PROCESSING, JULY 1993, USA, vol. 2, no. 3, ISSN 1057-7149, pages 311-326, XP002003130 ZHENG Q ET AL: "A computational vision approach to image registration"
BULLETIN SOCIETE FRANCAISE DE PHOTOGRAMMETRIE ET DE TELEDETECTION, 1980, FRANCE, no. 79-80, ISSN 0244-6014, pages 41-48, XP002003126 LANNELONGUE N ET AL: "Realisation of a mosaic radar"
NTIS TECH NOTES, 1 August 1990, page 669 XP000162607 "MAKING MOSAICS OF SAR IMAGERY";
NOTE:
No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):

Grant:	000607	B1 Granted patent
Application:	970820	A2 Published application (A1with Search Report ;A2without Search Report)
Lapse:	031112	B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20000607, CH 20000607, LI 20000607, DK 20000907, ES 20000607, PT 20000907, SE 20000907,
Lapse:	020109	B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20000607, CH 20000607, LI 20000607, PT 20000907, SE 20000907,
Oppn None:	010523	B1 No opposition filed: 20010308
Lapse:	010314	B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20000607,
Change:	010103	B1 PCT data changed: 20001116
Change:	010103	B1 PCT data changed: 20001116
Lapse:	010418	B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20000607, PT 20000907,
Lapse:	010704	B1 Date of lapse of European Patent in a contracting state (Country, date): AT 20000607, PT 20000907, SE 20000907,
Lapse:	020626	B1 Date of lapse of European Patent in a contracting state (Country, date): AT

20000607, CH 20000607, LI 20000607, ES 20000607, PT 20000907, SE 20000907,
Examination: 970820 A2 Date of filing of request for examination: 970514
Examination: 980114 A2 Date of despatch of first examination report: 971128
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200023	2584
CLAIMS B	(German)	200023	2387
CLAIMS B	(French)	200023	3085
SPEC B	(English)	200023	7528
Total word count - document A			0
Total word count - document B			15584
Total word count - documents A + B			15584

...SPECIFICATION object of the present invention is to provide apparatus and method capable of combining, in **real time** , radar data (such as **weather** radar data) in digital format from **multiple** radar **sites** into a mosaic covering a geographical area.
A further object of the present invention is...such holes.
Thus there has been provided apparatus and method for combining data from a **plurality** of **sites** into a single image covering a desired geographical area. Such apparatus and method are capable of combining, in **real time** , radar data (such as **weather** radar data) or other data in digital format from **multiple** radar **sites** into a mosaic covering a geographical area. Such apparatus and method are furthermore capable of ...

11/5,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00905158 **Image available**
SYSTEM AND METHOD FOR PROVIDING PERSONALIZED STORM WARNINGS
SYSTEME ET PROCEDE FOURNISSANT DES AVIS DE TEMPETES PERSONNALISES
Patent Applicant/Assignee:
WEATHER CENTRAL INC, 5725 Tokey Boulevard, Madison, WI 53719, US, US (Residence), US (Nationality)
Inventor(s):
KELLY Terence F, 1007 Hillside Avenue, Madison, WI 53705, US,
MARSH Victor W, 5699 Tudor Drive, Fitchburg, WI 53711, US,
WIGGINS Randall T, 1419 Spaight Street, Madison, WI 53703, US,
Legal Representative:
MANGHERA Peter J (agent), Reinhart Boerner Van Deuren s.c., 1000 North Water Street, Suite 2100, Milwaukee, WI 53202, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200239217 A2-A3 20020516 (WO 0239217)
Application: WO 2001US44181 20011106 (PCT/WO US0144181)
Priority Application: US 2000707104 20001106
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06N-005/00
Publication Language: English

Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 10038

English Abstract
A system and methods for generating storm warnings which are precisely tailored automatically for a particular individual or business user's geographic location of interest, which may be provided automatically to the individual user or business. The user establishes an individualized user profile, in which the user may define a particular location of interest and a contact address to which a personalized storm warning is to be delivered. The user may also establish a storm profile defining attribute characteristics of a storm for which the user desires a storm warning to be provided, and an amount of advanced warning to be provided by the personalized storm warning. A detailed and accurate storm track (12), which includes information describing storm characteristics (severe weather conditions) (28) as well as the current location and predicted track of movement of the storm, is generated (64). The storm track may be generated automatically from weather radar data (64), such as NEXRAD data, either alone, or in combination with local live weather radar information, to provide a more accurate storm track. Generated storm tracks are compared to individual user profiles. Personalized storm warnings (76) identifying in detail the storm conditions approaching a user location of interest and arrival time information for that location of interest are generated for user profiles defining time information for that location of interest are generated for user profiles defining locations of interest within a predicted storm track, if the storm track characteristics of the storm meet the attribute and advance warning characteristics specified in the storm profile established by the user. The personalized storm warnings may be delivered to users via e-mail, cell phone, pager, etc.

French Abstract
L'invention concerne un systeme et un procede permettant de generer des avis de tempete qui sont automatiquement personnalises avec precision pour un utilisateur individuel ou une entreprise concernant un lieu geographique d'interet, l'avis pouvant etre envoye automatiquement a l'utilisateur individuel ou a l'entreprise. L'utilisateur etablit un profil utilisateur individualise dans lequel il peut definir un lieu particulier d'interet et une adresse de contact a laquelle l'avis de tempete est a envoyer. L'utilisateur peut egalement etablir un profil de tempete definissant des caracteristiques d'attributs d'une tempete concernant laquelle l'utilisateur souhaite recevoir un avis, et un delai d'anticipation de l'avis devant etre fourni par l'avis de tempete personnalise. Une recherche de tempete detaillee et precise est generee, recherche comprenant des informations decrivant les caracteristiques de tempete (mauvaises conditions meteorologiques) ainsi que l'emplacement actuel et la recherche du deplacement prevu de la tempete. La recherche de tempete peut etre generee automatiquement a partir de donnees radar meteorologiques, telles que des donnees NEXRAD, soit seules soit associees a des informations radar meteorologiques locales directes, afin de fournir une recherche de tempete plus precise. Les recherches de tempete generees sont comparees a des profils utilisateur individuels. Des avis de tempete personnalises identifiant en detail les conditions de la tempete se rapprochant d'un lieu d'interet utilisateur et des informations de l'heure d'arrivee a ce lieu sont generees pour des profils utilisateur definissant des lieux d'interet dans une recherche de tempete prevue, si les caracteristiques de la recherche de tempete satisfont aux caracteristiques d'attribut et de l'avis anticipe specifiees dans le profil de tempete etabli par l'utilisateur. Les avis de tempetes personnalises peuvent etre envoyes aux utilisateurs par courrier electronique, telephone cellulaire, teleavertisseur, etc.

Legal Status (Type, Date, Text)
Publication 20020516 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20030103 Late publication of international search report
Republication 20030103 A3 With international search report.
Search Rpt 20030103 Late publication of international search report
Examination 20030320 Request for preliminary examination prior to end of 19th month from priority date
Correction 20030410 Corrected version of Pamphlet: pages 1/4-4/4, drawings, replaced by new pages 1/4-4/4; due to late transmittal by the receiving Office
Republication 20030410 A3 With international search report.

Fulltext Availability:
Detailed Description

Detailed Description
... be generated from
NEXRAD information alone, or, preferably, from NEXRAD information in combination with other weather information, such as live radar information.

The main computer system 12 may receive NEXRAD data from multiple NEXRAD sites . The storm data received from such multiple sites may overlap. For example, data for a...

11/5,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00549637
SYSTEMS AND METHODS FOR FENCELINE AIR MONITORING OF AIRBORNE HAZARDOUS MATERIALS
SYSTEME ET PROCEDE DESTINES AU CONTROLE DES CONCENTRATIONS LIMITES DE POLLUTION ATMOSPHERIQUE PAR DES SUBSTANCES VOLATILES DANGEREUSES
Patent Applicant/Assignee:
GEOENVIRONMENTAL INC,
FASANO Adam M,
Inventor(s):
FASANO Adam M,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200013010 A2 20000309 (WO 0013010)
Application: WO 99US19789 19990830 (PCT/WO US9919789)
Priority Application: US 98143699 19980828
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class: G01N-033/00
International Patent Class: B60H-003/00; F24F-011/00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 6096

English Abstract
The invention provides systems for perimeter air quality monitoring that can establish background levels of target contaminants in ambient air

prior to initiation of remedial activities. The systems can develop remedial action levels that are protective of the public health for dust and vapors at the remediation property, and can monitor and document fence line ambient air levels of target contaminants during remedial activities. Accordingly the systems and process allow for evaluation of the need for dust or vapor control measures to reduce airborne containment levels to below levels of concern.

French Abstract
L'invention concerne des systemes destines au controle de la qualite d'air sur leur peripherie et capables d'etablir en arriere-fond des concentrations de contaminants cibles dans l'air environnant avant que des mesures curatives soient entreprises. Les systemes peuvent developper des niveaux a partir desquels ces actions doivent etre entreprises, et ce de maniere a proteger la sante publique sur le site de mesures curatives des poussieres et des vapeurs; lorsque ces mesures sont entreprises, les systemes surveillent et documentent les concentrations limites des contaminants cibles dans l'air environnant. Les systemes et procedes de l'invention permettent d'evaluer la necessite de mesures visant a combattre les poussieres ou les vapeurs afin de ramener les concentrations des contaminants volatiles en dessous des niveaux ou ces derniers ne representent plus de danger.

Fulltext Availability:
Detailed Description

Detailed Description
... the site, or placed at the location most suited for measuring site weather conditions. Optionally, **several** weather **stations** can be employed. The air monitoring stations and **weather** station provide a continuous **stream** of real-time air quality data and enviromnental conditions to a control data processor. The...

11/5,K/5 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00332993 **Image available**
APPARATUS AND METHOD FOR CONSTRUCTING A MOSAIC OF DATA
SYSTEME ET PROCEDE DE REALISATION D'UNE MOSAIQUE DE DONNEES
Patent Applicant/Assignee:
UNISYS CORPORATION,
Inventor(s):
LOGAN Mark J,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9615504 A2 19960523
Application: WO 95US14479 19951103 (PCT/WO US9514479)
Priority Application: US 94334292 19941104
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
BR CA CN FI JP KR MX NO RU SG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: G06T-011/00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 20026

English Abstract
Apparatus and method are provided for combining, in **real time**, **weather** radar data in digital format from **multiple** radar **sites** into a mosaic covering a regional or national area (e.g., the continental

United States). Such apparatus and method is designed to be implementable as computer software and to run on a general purpose computer such as a personal computer. Such apparatus and method preferably utilizes a database of "lookup tables" which are used to project individual radar data bins directly to a grid of the desired coordinate system for that mosaic. Using these lookup tables, each of a plurality of radar data bins is converted to a corresponding grid location or box in a mosaic image. While each radar data bin is mapped to a grid box for the mosaic, not every such grid box within the coverage area of the radar may receive such a data bin. Any resulting holes in the produced mosaic are then identified using yet another grid whose locations correspond to those of the mosaic but which instead provide information regarding the data then appearing in corresponding locations in that mosaic. Each such hole is then filed with data from the locationally closest data bin.

French Abstract

Un systeme et un procede permettent de combiner en temps reel des donnees de radars meteorologiques en format numerique, qui proviennent de plusieurs sites radar, en une mosaique couvrant une zone regionale ou nationale (la partie continentale des Etats-Unis par exemple). Ce systeme et ce procede sont concus pour etre mis en oeuvre sous forme de logiciel et pour tourner sur un ordinateur generaliste tel qu'un ordinateur personnel. Ils permettent de preference d'utiliser une base de donnees constituee de "tableaux de reference" utiles pour projeter des flux binaires de donnees radar individuels directement sur une grille d'un systeme de coordonnees souhaite pour cette mosaique. Grace a ces tableaux de reference, chacun des flux binaires de donnees radar est converti en un emplacement ou une case correspondante a la grille. Si chaque flux binaire de donnees radar est cartographie sur une case de grille propre a la mosaique, toutes les cases relevant de la zone de couverture d'un radar ne se voient pas forcement attribuer un tel flux binaire. Toute lacune existant dans la mosaique produite est alors identifiee a l'aide d'une autre grille dont les emplacements correspondent a ceux de la mosaique mais qui fournissent des informations concernant des donnees qui apparaissent a ce moment-la dans les emplacements correspondants de cette mosaique. Toute lacune est alors comblee avec des donnees provenant du flux binaire de donnees geographiquement le plus proche.

Fulltext Availability:

Detailed Description

English Abstract

Apparatus and method are provided for combining, in **real time**, **weather** radar data in digital format from **multiple** radar **sites** into a mosaic covering a regional or national area (e.g., the continental United States...

Detailed Description

.... object of the present invention is to provide apparatus and method capable of combining, in **real time**, radar data (such as **weather** radar data) in digital format from **multiple** radar **sites** into a mosaic covering a geographical area.

A further object of the present invention is...holese Thus there has been provided apparatus and method for combining data f rom a **plurality** of **sites** into a single image covering a desired geographical area. Such apparatus and method are capable of combining, in **real time**, radar data (such as **weather** radar data) or other data in digital format from **multiple** radar **sites** into a mosaic covering a 'geographical area. Such apparatus and method are furthermore capable of...

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File 696:DIALOG Telecom. Newsletters 1995-2005/Oct 03
         (c) 2005 Dialog
File  15:ABI/Inform(R) 1971-2005/Oct 03
         (c) 2005 ProQuest Info&Learning
File  98:General Sci Abs/Full-Text 1984-2004/Dec
         (c) 2005 The HW Wilson Co.
File 141:Readers Guide 1983-2004/Dec
         (c) 2005 The HW Wilson Co
File 484:Periodical Abs Plustext 1986-2005/Sep W4
         (c) 2005 ProQuest
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 613:PR Newswire 1999-2005/Oct 03
         (c) 2005 PR Newswire Association Inc
File 635:Business Dateline(R) 1985-2005/Oct 01
         (c) 2005 ProQuest Info&Learning
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 610:Business Wire 1999-2005/Oct 03
         (c) 2005 Business Wire.
File 369:New Scientist 1994-2005/Jun W4
         (c) 2005 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
         (c) 1999 AAAS
File 624:McGraw-Hill Publications 1985-2005/Oct 03
         (c) 2005 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2005/Oct 01
         (c) 2005 San Jose Mercury News
File 647:CMP  Computer Fulltext 1988-2005/Sep W3
         (c) 2005 CMP Media, LLC
File 674:Computer News Fulltext 1989-2005/Sep W4
         (c) 2005 IDG Communications

Set     Items   Description
S1     695362   WEATHER? OR CLIMATE? OR CLIME OR CLIMES OR METEOROLOG? OR -
             BAROMETE? OR BAROMETR? OR ANEMOL? OR AEROLOG?
S2       8936   S1(5N)(DYNAMIC? OR REALTIME OR REAL()TIME? ? OR LIVE OR ST-
             REAM?)
S3    4711979   STATION? ? OR SITE OR SITES OR NODE OR NODES OR LOCALIT? OR
              LOCATION? ? OR LOCALE? ?
S4    3826446   UNIT OR UNITS OR APPARATUS? OR APP?? ? OR INSTRUMENT? ? OR
             EQUIPMENT?
S5       7011   MULTISTATION? OR MULTINODE? ? OR MULTISITE? ? OR MULTIUNIT?
S6     156874   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
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             TY)(1W)S3
S7      66004   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
             SERIES)(1W)S3
S8      56257   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
             ROUS OR DIFFERENT OR MULTITUD? OR PLURIF? OR VARIOUS OR VARIE-
             TY)(1W)S4
S9      73203   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
             SERIES)(1W)S4
S10        74   S2(S)S5:S9
S11        39   S10/2001:2005
S12        35   S10 NOT S11
S13        33   RD (unique items)

 13/3,K/3     (Item 3 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
(c) 2005 Dialog. All rts. reserv.

00605747
 AT&T EXTENDS TELEMEDICINE FROM MOUNT EVEREST TO THE UNITED STATES
ISDN NEWS
```

May 19, 1998 VOL: 11 ISSUE: 10 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH WORD COUNT: 800 RECORD TYPE: FULLTEXT

TEXT:
...Inc., a video bridging services provider in Dallas. The multipoint video bridge allowed connections to **multiple sites** in ... technology at MIT Media Labs. "This year we are transmitting a torrent of information back - **live climate** and physiological data, imagery, audio and video. This enables extraordinary applications in areas like telemedicine...

13/3,K/11 (Item 3 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext

03886137 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Wireless connectivity enters new realm for remote users
Ackerman, Robert K
Signal (FSIG), v52 n11, p59-62, p.4
Jul 1998
ISSN: 0037-4938 JOURNAL CODE: FSIG
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2225

TEXT:
... Air Force, Customs Service and the Federal Emergency Management Agency. Many of these applications involve **multiple** radio **sites** at diverse, unmanned locations. Weaver cites one system installed to service a weather station at a helicopter landing site atop a mountain in Alaska. Being able to access **realtime weather** data allowed pilots to avoid the site when winds prevented a safe landing. The unmanned...

13/3,K/28 (Item 2 from file: 610)
DIALOG(R)File 610:Business Wire

00357451 20000906250B3001 (USE FORMAT 7 FOR FULLTEXT)
Canada's TELUS Mobility Offers Cellular Users New i-Web Data Services Using 3Com Corporation's 2G CDMA IWF Solution
Business Wire
Wednesday, September 6, 2000 09:45 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,136

...handles the entire connection."
Powered by 3Com's Total Control 1000 platform CDMA IWF at **multiple locations** across the country, i-Web Data Services makes a connection from a user's digital...

...cellular phone. Because the data is localized by location, a digital cellular customer can access **real - time** local news or **weather** information while traveling from place to place. The CDMA phones can also display portions of...

13/3,K/33 (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext

085109
BeVocal launches voice portal
Byline: Tom Spring
Journal: Network World
Publication Date: June 14, 2000
Word Count: 503 Line Count: 46

Text:
... by telephone. </p> BeVocal launched a service this week that connects you by phone to **real - time** stock quotes, local **weather** , traffic reports, airline information, and point-to-point directions. It is the latest company to...

... say "weather," for example, BeVocal offers a local forecast or the option to specify a **different locale** . For directions, you call BeVocal and state clearly your location and a destination address. Through...
? t13/9/33

13/9/33 (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext

085109
BeVocal launches voice portal
Byline: Tom Spring
Journal: Network World
Publication Date: June 14, 2000
Word Count: 503 Line Count: 46
Text:
The Web is getting louder, with another voice joining the growing chorus of sites you can surf by telephone. </p> BeVocal launched a service this week that connects you by phone to **real - time** stock quotes, local **weather** , traffic reports, airline information, and point-to-point directions. It is the latest company to join the verbal Web fray. Each service provider does it differently, but essentially all mix speech recognition technology, prerecorded voice responses, and text-to-speech technology to find and dispense information without human help. </p> BeVocal is one of the first to roll out its portal nationwide, although its driving directions are available only in California. That service will be available throughout the United States within the next several months, the company says. Competitors TellMe Networks, HeyAnita, and Talk2 Technology are each still in test mode. </p> BeVocal and others hope to win a big piece of the voice portal pie, estimated to hit $11 billion by 2005, according to Mark Plakias, a vice president of the market research firm Kelsey Group. Voice portals make money on transaction fees, advertising, and hosting third-party voice portals. </p> The primary goal of such services is to give cellular phone users access to real-time information with minimal hassle. But voice portals can also be an easy-to-use tool for anyone who wants access to Internet content. </p> Be Vocal With BeVocal The BeVocal service costs nothing. To access it, you call a toll-free number (1-800-4BVOCAL) that links you to a massive database of information and real-time services. By using simple voice commands you can, for example, check on traffic for your commute or the weekend weather forecast. </p> When you say "weather," for example, BeVocal offers a local forecast or the option to specify a **different locale** . For directions, you call BeVocal and state clearly your location and a destination address. Through a partnership with America Online's MapQuest, BeVocal responds with spoken driving directions that you can pause or fast-forward. You can also bookmark your BeVocal sessions, so you can call back and check directions at the next turn. </p> "When these services work well, it's magic. When

they don't, it is the equivalent of the Internet's worldwide wait," Plakias says. </p> During an informal review, the service recognized my voice without any training about 90 percent of the time. Time delays between requests and answers are minimal. </p> For now, the service is ad free, but BeVocal plans to add short ads between information requests. The company will also accept sponsorships, so BeVocal might tell you that the weather is brought to you by XYZ Company. </p> BeVocal can help you find local businesses, such as the nearest Federal Express drop box. Similar resources will be added, says Amol Joshi, BeVocal cofounder. </p> But while dozens of BeVocal competitors are clamoring to offer service, consumer demand has been, well, quiet. </p> "All of these portals are facing some unknowns as far as call volumes," Plakias says. He expects consolidation among the estimated 30 companies offering similar services. </p>
?

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File   6:NTIS 1964-2005/Sep W4
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File   2:INSPEC 1969-2005/Sep W3
         (c) 2005 Institution of Electrical Engineers
File   8:Ei Compendex(R) 1970-2005/Sep W4
         (c) 2005 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Sep W4
         (c) 2005 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2005/Sep
         (c) 2005 ProQuest Info&Learning
File  65:Inside Conferences 1993-2005/Oct W1
         (c) 2005 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2005/Aug W1
         (c)2005 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2005/Aug W3
         (c) 2005 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/Aug
         (c) 2005 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Sep 29
         (c) 2005 The Gale Group
File 144:Pascal 1973-2005/Sep W4
         (c) 2005 INIST/CNRS
File 256:TecInfoSource 82-2005/Oct
         (c) 2005 Info.Sources Inc
File 266:FEDRIP 2005/Jun
         Comp & dist by NTIS, Intl Copyright All Rights Res
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  56:Computer and Information Systems Abstracts 1966-2005/Sep
         (c) 2005 CSA.
File  57:Electronics & Communications Abstracts 1966-2005/Sep
         (c) 2005 CSA.
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2005/Sep
         (c) 2005 CSA.
File 483:Newspaper Abs Daily 1986-2005/Oct 01
         (c) 2005 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group

Set     Items   Description
S1     829057   WEATHER? OR CLIMATE? OR CLIME OR CLIMES OR METEOROLOG? OR -
             BAROMETE? OR BAROMETR? OR ANEMOL? OR AEROLOG?
S2      25102   S1(5N)(DYNAMIC? OR REALTIME OR REAL()TIME? ? OR LIVE OR ST-
             REAM?)
S3    4352209   STATION? ? OR SITE OR SITES OR NODE OR NODES OR LOCALIT? OR
              LOCATION? ? OR LOCALE? ?
S4    6028449   UNIT OR UNITS OR APPARATUS? OR APP?? ? OR INSTRUMENT? ? OR
             EQUIPMENT?
S5      11546   MULTISTATION? OR MULTINODE? ? OR MULTISITE? ? OR MULTIUNIT?
S6     156464   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
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S7      31380   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
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S9      69895   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
             SERIES)(1W)S4
S10       358   S2 AND S5:S9
S11       310   S2 AND S5:S7
S12        82   S2(S)S5:S7
S13        22   S12/2001:2005
S14        60   S12 NOT S13
S15        47   RD (unique items)
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? t15/7/1,8-9,11-12,17-19,21

15/7/1 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

2237871 NTIS Accession Number: ADA401954/XAB
Sensor and Analysis Developments for Near-Earth Plasma Density Investigations
(Scientific rept. no. 2, 1 Sep 1998-31 Aug 1989)
Andreasen, A. M. ; Fremouw, E. J. ; Mazzella, A. J.
Northwest Research Associates, Inc., Bellevue, WA.
Corp. Source Codes: 089452000; 416652
Report No.: NWRA-CR-99-R208; AFRL-VS-TR-2000-1580
12 Nov 1999 43p
Languages: English
Journal Announcement: USGRDR0220
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NTIS Prices: PC A04/MF A01
Country of Publication: United States
Contract No.: F19628-97-C-0078; DMSP; GH
With the progressive increase in solar activity, effects in the near-earth space environment (space weather) are becoming more intense and variable. They are manifested as increased plasma content of the ionosphere and protonosphere and as greater variability in these regions, with impacts on Global Positioning System (GPS) navigation, radio-wave communications, and other applications. This report summarizes research performed in the second year of a contract intended to: (a) investigate natural variations in total electron content (TEC) and scintillation associated with solar activity, and (b) observe artificially induced changes in the ionosphere by means of ground-based radio- wave emissions. The efforts for this second year included collection and processing of TEC data from the USAF Ionospheric Measuring Systems deployed at **various sites** , development of techniques for monitoring the electron content of the protonosphere. augmenting capabilities for providing near- **real - time** data for space- **weather** monitoring for the Space Environment Network Display, and coordinating and implementing development of diagnostic instruments for the High-frequency Active Aurora Research Program. Technical developments also were pursued to avoid the effects of artificial limitations imposed by the Year 2000 problem and the similar 'GPS Week Poll-over'.

15/7/8 (Item 8 from file: 6)
DIALOG(R)File 6:NTIS

0296558 NTIS Accession Number: PB-204 114/XAB
Instrumentation and Operation of Meteorological and Stream Gaging Stations on Maynard Creek
Williams, T. T.
Montana State Unit., Bozeman. Water Resources Research Center.
Report No.: W72-00636; OWRR-A-006-MONT(2)
Feb 71 44p
Journal Announcement: GRAI7201
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A03/MF A01
Contract No.: OWRR-A-006-MONT
The hydrologic study of Maynard Creek watershed, located in the Bridger Mountains northeast of Bozeman, Montana, was begun in 1965 by the Montana

University Joint Water Resources Research Center. A major unit of the multi-phase research investigation that was initiated was the development and installation of a centrally-located data acquisition system to facilitate the collecting and handling of data from different locations on the watershed. In order to evaluate the effectiveness and reliability of the components of the data acquisition facilities, as well as to provide information regarding the hydrology of the watershed, a series of meteorological and stream gaging stations were established on the watershed, all equipped with conventional recording instruments. These stations have been operated continuously since their installation in 1965. All data collected to date has been reduced to digital form, and some analysis has been performed on part of the data. The purpose of this report is to describe the design, installation and operation of the 'conventional' stations. (Author)

15/7/9 (Item 9 from file: 6)
DIALOG(R)File 6:NTIS

0286520 NTIS Accession Number: COM-71-00910/XAB
The NSSL Surface Network and Observations of Hazardous Wind Gusts
(Technical memo)
National Severe Storms Lab., Norman, Okla.
Corp. Source Codes: 244670
Report No.: NOAA-TM-ERL-NSSL-55
Jun 71 28p
Journal Announcement: GRAI7120
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The NSSL network of surface stations for measurement of meteorological parameters is described. Examples of severe wind conditions recorded with intense thunderstorms are presented in detail, and analyzed wind fields are related to the contoured display of the NSSL WSR-57 radar. The design of an operational system for real time monitoring of wind gust lines is discussed. (Author)

15/7/11 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

07376720 INSPEC Abstract Number: A1999-22-9260-026, C1999-11-7340-044
Title: Weather and climate forecasts and analyses at MHPCC
Author(s): Roads, J.; Chen, S.; McCord, C.; Smith, W.; Stevens, D.; Juang, H.; Fujioka, F.
Author Affiliation: Exp. Climate Prediction Center, California Univ., San Diego, La Jolla, CA, USA
Conference Title: High-Performance Computing and Networking. 7th International Conference, HPCN Europe 1999. Proceedings p.130-2
Editor(s): Sloot, P.; Bubak, M.; Hoekstra, A.; Hertzberger, B.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1999 Country of Publication: Germany xxiii+1318 pp.
ISBN: 3 540 65821 1 Material Identity Number: XX-1999-02493
Conference Title: High-Performance Computing and Networking. 7th International Conference, HPCN Europe 1999. Proceedings
Conference Date: 12-14 April 1999 Conference Location: Amsterdam, Netherlands
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P)
Abstract: In Hawaii, where weather and climate variations are strongly affected by the steep island topography, there is a clear and acknowledged

need for improved weather and climate forecasts at increased spatial resolution. The Hawaii Weather, Climate, Modeling Ohana (HWCMO) was therefore formed at the Maul High Performance Computing Center in 1997 to establish an experimental weather/ climate mesoscale modeling effort for near real - time support to the local National Weather service (NWS), decision makers in federal and state agencies, and local researchers. This operational mesoscale forecasting effort is currently providing on an almost regular schedule, daily forecast products, using 5 nodes of the MKPCC multi - node IBM SP2 cluster. (10 Refs)
Subfile: A C

15/7/12 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

07145522 INSPEC Abstract Number: A1999-05-9260-007, C1999-03-7340-002
Title: Parallel performance of the Canadian MC2 Meso-LAM on clusters of NEC SX-4 symmetric multiprocessors
Author(s): Thomas, S.J.
Journal: NEC Research and Development Conference Title: NEC Res. Dev. (Japan) vol.39, no.4 p.476-81
Publisher: NEC Creative,
Publication Date: Oct. 1998 Country of Publication: Japan
CODEN: NECRAU ISSN: 0547-051X
SICI: 0547-051X(199810)39:4L.476:PPCM;1-#
Material Identity Number: N043-1999-001
Conference Title: High Performance Computing - Towards Reality in Scientific Simulations: NEC's 21st Century Odyssey -
Conference Date: 22 May 1998 Conference Location: Houston, TX, USA
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Practical (P)
Abstract: The next generation of high-performance computers will be based on clusters of shared memory Symmetric Multiprocessor (SMP) nodes interconnected by a low-latency, high-bandwidth network. The parallel performance of the non-hydrostatic Mesoscale Compressible Community (MC2) limited area atmospheric model on NEC SX-4M multi - node system is presented. Several hybrid parallel programming models are now possible with cluster architectures. Inter-node communication is based on MPI message passing and shared memory tasking or threads can be used for intra-node parallelism. These generalisations of the MC2 model will be described and the real-time performance of the MC2 model for high-resolution weather forecasting will be presented. At sustained execution rates of 25-30 GFLOPS/s it is now possible for the first time ever to produce a real - time 24 hour weather forecast over the entire North American continent at a resolution of 10 km. MC2 is currently one of the fastest running atmospheric models worldwide and we hope to surpass 100 GFLOPS/s sustained performance on a four node SX-4/128M4 in 1998-1999. (14 Refs)
Subfile: A C

15/7/17 (Item 8 from file: 2)
DIALOG(R)File 2:INSPEC

02085030 INSPEC Abstract Number: A77056692, B77030623
Title: The contribution of a weather radar network to forecasting frontal precipitation: a case study
Author(s): Hill, F.F.; Whyte, K.W.; Browning, K.A.
Author Affiliation: Meteorological Office Res. Unit, Royal Signals & Radar Establ., Malvern, UK
Journal: Meteorological Magazine vol.106, no.1256 p.69-89

Publication Date: March 1977 Country of Publication: UK
CODEN: MTMGA5 ISSN: 0026-1149
Language: English Document Type: Journal Paper (JP)
Treatment: Theoretical (T)
Abstract: The recent development at Malvern of techniques for the processing and transmission of composite radar data from **several sites** to remote centres brings nearer the possibility of providing **meteorological** offices with a **real - time** , semi-quantitative display of precipitation distribution. A case study of frontal precipitation is presented illustrating the value of such a system for mesoscale and synoptic-scale forecasting. The case is analysed using both a subjective and an objective approach. The indications are that improvements in the forecasts can be achieved for periods of three to six hours ahead. (10 Refs)
Subfile: A B

15/7/18 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05276128 E.I. No: EIP99034609724
Title: Design of a complex terrain meteorological monitoring program for real-time air quality modeling analysis
Author: Militana, Louis M.; Karpovich, Robert; Cimorelli, Alan; Scire, Joseph S.
Corporate Source: Roy F. Weston, Inc, West Chester, PA, USA
Conference Title: Proceedings of the 1998 91st Annual Meeting & Exposition of the Air & Waste Management Association
Conference Location: San Diego, CA, USA Conference Date: 19980614-19980618
E.I. Conference No.: 49496
Source: Proceedings of the Air & Waste Management Association's Annual Meeting & Exhibition 1998. Air & Waste Management Assoc, Pittsburgh, PA, USA. 8pp 98-WA60.02
Publication Year: 1998
CODEN: PAMEE5
Language: English
Document Type: CA; (Conference Article) Treatment: G; (General Review)
Journal Announcement: 9906W4
Abstract: A **multi - station** meteorological monitoring program has been designed and developed for a complex terrain air quality modeling study. The purpose of the program is to collect representative on site data as input to complex terrain air quality models and to predict in real-time the potential air quality impact of a rotary kiln incinerator. The program is a state-of the science design using the 'best science' air quality dispersion models (CALMET/CALPUFF) and meteorological monitoring equipment (RASS/SODAR Systems monostatic and phased array and multiple towers). The **real - time meteorological** monitoring program consisted of two monitoring stations using meteorological towers and Doppler SODAR and phased array RASS systems to determine the temperature and wind profile of the atmospheric boundary layer. The primary station were located adjacent to the site and consisted of a 150 ft meteorological tower and RASS/SODAR system. The secondary station was located approximately 1,600 meters northeast of the site and consisted of a 10 meter tower and a SODAR system. These monitoring stations provided 15-minute values of wind speed, wind direction, ambient temperature, and thermal and mechanical turbulence measurements for use in a complex terrain air quality modeling study and a real-time modeling system. (Author abstract)

15/7/19 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05271743 E.I. No: EIP99044638355
Title: Modeling coastally trapped wind surges over southeastern Australia. Part1: timing and speed of propagation
Author: Reid, H.J.; Leslie, L.M.
Corporate Source: Univ of New South Wales, Sydney, Aust
Source: Weather and Forecasting v 14 n 1 Feb 1999. p 53-66
Publication Year: 1999
CODEN: WEFOE3 ISSN: 0882-8156
Language: English
Document Type: JA; (Journal Article) Treatment: X; (Experimental)
Journal Announcement: 9906W3
Abstract: During the spring and summer months, the southeast coast of Australia often experiences abrupt southerly wind changes, the leading edge being known locally as a 'southerly buster'. The main characteristic of this phenomenon is the sudden shift in wind direction, usually from north or northwesterly to southerly. The aims of this study are to assess the ability of the **real - time** , high-resolution, numerical **weather** prediction model to simulate some of the key features of the southerly busters, notably the time of passage and strength at **various locations** along the southeast coast and at two inland stations. It was found that the performance of the model was good overall but was highly case dependent, particularly according to season and time of day, with some poor and some excellent simulations. (Edited author abstract) 13 Refs.

15/7/21 (Item 4 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03724884 E.I. No: EIP93101094349
Title: Hydrometeorological data collection and processing for Melbourne water's catchment hydrology research program
Author: Haydon, S.R.
Corporate Source: Melbourne Water, Aust
Conference Title: Proceedings of the 2nd Australasian Conference on Computing for the Water Industry Today and Tomorrow
Conference Location: Melbourne, Australia Conference Date: 19930330-19930401
Sponsor: Institute of Engineers, Australia; ACADS; Melbourne Information Technology Systems; Melbourne Parks and Waterways; Scott and Furphy Pty Ltd ; Rural Water Corporation
E.I. Conference No.: 19086
Source: National Conference Publication - Institution of Engineers, Australia n 93 pt 2 1993. Publ by IE Aust, Crows Nest, NSW, Aust. p 33-38
Publication Year: 1993
CODEN: NPIEDX ISSN: 0313-6922
Language: English
Document Type: CA; (Conference Article) Treatment: G; (General Review); A; (Applications)
Journal Announcement: 9312W1
Abstract: Hydrometeorological data is currently being collected and processed for 17 **streamgauges** , 20 raingauges and 2 **meteorological** stations (temperature, humidity and pan evaporation data) as the principal data input into Melbourne Water's Catchment Hydrology Research (CHR) program. Most of the data is collected by datalogger and downloaded via lap-top PC's onto the CHR's micro Vax-workstation cluster. After processing, the data is transferred to the hydromet data base. As a backup to the loggers, the original chart recorders have been left in place and data is recorded on charts in parallel to the logger. The charts can be digitised if there are problems with the logger, and are used to do systematic and spot checks on the logger data. The original digitising method had also been upgraded some time ago to a more conventional flatbed digitizer. The data-logging system is currently being up-graded, as the original loggers have failed to perform as well as hoped. The value of having the parallel chart system cannot be underestimated, and has

highlighted one of the major problems with the electronic logger system. If a logger with volatile memory fails it tends to lose all the data, whereas it is rare that a chart ever fails completely. Usually with a chart at least some record is preserved, and often even after a failure some data can be salvaged. This is of considerable importance in a research area where the data integrity is critically important to the project. Data loss is currently of the order of 1%. Melbourne Water has developed considerable data editing and processing software in-house. At the time the system was put in place, commercial software for the Vax system was not readily available. The software enables data from **several sites** to be displayed and edited simultaneously on screen, also digitised data from the chart can be overlaid, on screen, with logged data for comparison. The digitised chart data can have such problems as fast or slow chart speed automatically adjusted for. All data editing and processing is done locally on the CHR groups microVax-workstation cluster. This comprises 1 micro Vax 3100 and 4 Vaxstation-38 workstations. The microVax is also connected to the corporate computing network, enabling transfer of data across the corporate network. (Author abstract) refs.
? t15/7/32-33,42

15/7/32 (Item 4 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

07975062 Genuine Article#: 231EJ Number of References: 24
Title: A real-time north American forecast at 10-km resolution with the Canadian MC2 Meso-LAM
Author(s): Thomas SJ (REPRINT) ; Desgagne M; Benoit R
Corporate Source: NATL CTR ATMOSPHER RES,/BOULDER//CO/80803 (REPRINT); ENVIRONM CANADA,/DORVAL/PQ/CANADA/
Journal: JOURNAL OF ATMOSPHERIC AND OCEANIC TECHNOLOGY, 1999, V16, N8 (AUG) , P1092-1101
ISSN: 0739-0572 Publication date: 19990800
Publisher: AMER METEOROLOGICAL SOC, 45 BEACON ST, BOSTON, MA 02108-3693
Language: English Document Type: ARTICLE
Abstract: The next generation of high-performance computers will be based on clusters of shared-memory symmetric multiprocessor (SMP) nodes interconnected by a low-latency, high-bandwidth network. In this paper, the parallel performance of the nonhydrostatic Mesoscale Compressible Community (MC2) limited-area atmospheric model on clusters of NEC SX-4 symmetric multiprocessor (SMP) nodes is presented. Several hybrid parallel-programming approaches are now possible with the SMP cluster SC-MC2 implementation based on internode MPI message-passing and intranode shared-memory tasking or threads. At total sustained execution rates of between 25 and 30 Gflop s(-1) on single-node or **multinode** clusters, it is now possible for the first time ever to generate a 24-48-h **real - time weather** forecast over North America at 10-km resolution.

15/7/33 (Item 5 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

07458103 Genuine Article#: 168JM Number of References: 17
Title: Modeling coastally trapped wind surges over southeastern Australia. Part I: Timing and speed of propagation
Author(s): Reid HJ (REPRINT) ; Leslie LM
Corporate Source: UNIV NEW S WALES,SCH MATH/SYDNEY/NSW 2052/AUSTRALIA/ (REPRINT)
Journal: WEATHER AND FORECASTING, 1999, V14, N1 (FEB), P53-66
ISSN: 0882-8156 Publication date: 19990200
Publisher: AMER METEOROLOGICAL SOC, 45 BEACON ST, BOSTON, MA 02108-3693
Language: English Document Type: ARTICLE
Abstract: During the spring and summer months, the southeast coast of

Australia often experiences abrupt southerly wind changes, the leading edge being known locally as a ''southerly buster.'' The main characteristic of this phenomenon is the sudden shift in wind direction, usually from north or northwesterly to southerly. Associated with this wind surge is a significant temperature drop and sea level pressure rise. A severe southerly buster has wind speeds exceeding gale force (17 m s(-1)) and poses a threat to human safety.

Southerly busters have been the subject of a number of studies over several decades. These have focused on the development and propagation of the wind surge. The aims of this study are quite different, namely, to assess the ability of a real - time , high-resolution, numerical weather prediction (NWP) model to simulate some of the key features of the southerly buster, notably the time of passage and strength at various locations along the southeast coast and at two inland stations.

A large number (20) of case studies of southerly wind changes along the east coast of New South Wales has been selected to verify 40 simulations from the numerical model. The focus of the case studies was on quantifying the skill of the model in simulating the timing and speed of propagation of the southerly buster. The measure of skill adopted here was one based on a direct comparison of model predictions with observations. It was found that the performance of the model was good overall but was highly case dependent, particularly according to season and time of day, with some poor and some excellent simulations, This ability of the NWP model to provide predictions within an acceptable error has positive implications as a useful tool in real-time forecasting.

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File   9:Business & Industry(R) Jul/1994-2005/Sep 30
         (c) 2005  The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Sep 30
         (c) 2005 The Gale Group
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         (c) 2005 The Gale group
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File 636:Gale Group Newsletter DB(TM) 1987-2005/Sep 30
         (c) 2005 The Gale Group
File 649:Gale Group Newswire ASAP(TM) 2005/Sep 20
         (c) 2005 The Gale Group

Set     Items   Description
S1    1164527   WEATHER? OR CLIMATE? OR CLIME OR CLIMES OR METEOROLOG? OR -
            BAROMETE? OR BAROMETR? OR ANEMOL? OR AEROLOG?
S2      14274   S1(5N)(DYNAMIC? OR REALTIME OR REAL()TIME? ? OR LIVE OR ST-
            REAM?)
S3   10250130   STATION? ? OR SITE OR SITES OR NODE OR NODES OR LOCALIT? OR
             LOCATION? ? OR LOCALE? ?
S4   12394262   UNIT OR UNITS OR APPARATUS? OR APP?? ? OR INSTRUMENT? ? OR
            EQUIPMENT?
S5      12804   MULTISTATION? OR MULTINODE? ? OR MULTISITE? ? OR MULTIUNIT?
S6     319001   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
            ROUS OR DIFFERENT OR MULTITUD? OR PLURIF? OR VARIOUS OR VARIE-
            TY)(1W)S3
S7     154723   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
            SERIES)(1W)S3
S8     121862   (MULTIPLE OR PLURALIT? OR SEVERAL OR MANY OR MULTI OR NUME-
            ROUS OR DIFFERENT OR MULTITUD? OR PLURIF? OR VARIOUS OR VARIE-
            TY)(1W)S4
S9     323626   (GROUP? ? OR CLUSTER? ? OR NETWORK? OR NET OR CHAIN? ? OR -
            SERIES)(1W)S4
S10       127   S2(S)S5:S9
S11        67   S10/2001:2005
S12        60   S10 NOT S11
S13        33   RD (unique items)

 13/3,K/1     (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2005  The Gale Group. All rts. reserv.

01902173  Supplier Number: 25375623    (USE FORMAT 7 OR 9 FOR FULLTEXT)
Multifunction TV Studio-Like Web Sites Promised
(VoraxRD.com has developed the AddView system of full motion, real time
  image streaming across the Internet)
Newsbytes News Network, p N/A
July 27, 1999
DOCUMENT TYPE: Journal  (United States)
LANGUAGE: English  RECORD TYPE: Fulltext
WORD COUNT:  764

    (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...Sadetsky, vice president of marketing at VoraxRD.com, told Newsbytes "We
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install the cameras, at **multiple** **locations** , for multiple purposes, whether to monitor the **weather** or a **live** event, or to promote tourism at **different** **locations** , and any user on the Internet will be able to watch what's happening live...

13/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07773973 Supplier Number: 65008090 (USE FORMAT 7 FOR FULLTEXT)
Canada's TELUS Mobility Offers Cellular Users New i-Web Data Services Using 3Com Corporation's 2G CDMA IWF Solution.
Business Wire, p0291
Sept 6, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1117

... handles the entire connection."
Powered by 3Com's Total Control 1000 platform CDMA IWF at **multiple** **locations** across the country, i-Web Data Services makes a connection from a user's digital...

...cellular phone. Because the data is localized by location, a digital cellular customer can access **real - time** local news or **weather** information while traveling from place to place. The CDMA phones can also display portions of...

13/3,K/16 (Item 6 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

02875757 SUPPLIER NUMBER: 04374860 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Washington embraces global earth sciences.
Waldrop, M. Mitchell
Science, v233, p1040(3)
Sept 5, 1986
CODEN: SCIEAS ISSN: 0036-8075 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 2765 LINE COUNT: 00214

... of Sciences. But each name expresses the same fundamental idea: a simultaneous study of the **climate** , the oceans, the biosphere, the **dynamics** of the solid earth, and the biogeo-chemical cycles of all the major nutrients--in...

...This study will in turn require a permanent network of satellites in orbit and another **network** of **instruments** on the ground, all feeding data into state-of-the-art computers. It will involve...

13/3,K/17 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

07568067 SUPPLIER NUMBER: 15862194 (USE FORMAT 7 OR 9 FOR FULL TEXT)
E-SYSTEMS WINS CONTRACT TO MEASURE OCEAN WINDS
PR Newswire, p1115NY075
Nov 15, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 339 LINE COUNT: 00028

... of long-term wind data for studies of ocean circulation, climate,

air-sea interaction and weather forecasting.
Near real - time data gathered by SeaWinds will eventually benefit a wide range of commercial industries including fishing...

13/3,K/19 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06745866 SUPPLIER NUMBER: 14556225 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Amiga helps naval air station keep tabs on weather problems. (ditsributing weather data with the Amiga 4000)
Manes, Mark, D.
Computer Pictures, v11, n5, pS16(3)
Sept-Oct, 1993
ISSN: 0883-5683 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1125 LINE COUNT: 00090

TEXT:
...Scala's InfoChannel beat out PC and Mac for distributing real-time weather data to multiple locations .

13/3,K/22 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06175598 SUPPLIER NUMBER: 12773964 (USE FORMAT 7 OR 9 FOR FULL TEXT)
GeoSphere plans to paint more satellite data onto its globes. (global-simulating displays with real-time weather information and including satellite communications between different locations)
Satellite News, v15, n45, p5(1)
Nov 9, 1992
ISSN: 0161-3448 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 324 LINE COUNT: 00026

...its globes. (global-simulating displays with real-time weather information and including satellite communications between different locations)

13/3,K/23 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05193077 SUPPLIER NUMBER: 10916457 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Why big storms take weather radar by surprise. (includes related articles)
Gyorki, John R.
Machine Design, v63, n6, p36(5)
March 21, 1991
ISSN: 0024-9114 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1819 LINE COUNT: 00155

... weathermen rely on visual sightings from authorized spotters in different locations throughout the viewing area. Weather patterns can be dynamic , and change markedly within only a few miles. Many spotters are amateur radio operators who...

13/3,K/24 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04912218 SUPPLIER NUMBER: 09329216 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DuPont redesigns its chemical emergency response system. (DuPont Safety and

Environmental Resources' SAFER Emergency Management System)
American Papermaker, v53, n12, p64(1)
Dec, 1990
ISSN: 1056-4772 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 604 LINE COUNT: 00054

... time meteorology, meteorological reporting, hazard assessment, release rate estimation, hydrofluoric acid, multicomponent evaporation, complex terrain, multiple meteorological stations , infiltration, fire and explosion, sensor date acquisition, and back calculation.
* System Manager manages software operation...

13/3,K/25 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

02267149 SUPPLIER NUMBER: 53717984 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Internet Update 02/04/99.
Newsbytes, NA
Feb 4, 1999
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 660 LINE COUNT: 00057

TEXT:
...on e-mail formatting; business Web site now searchable; talk your way across the Web; live weather from Antarctica; the African-American Mosaic; Nova online - surviving AIDS. Inside Line On The Stock...

...complete, clear and easy-to-understand format. World Wide Web: http://www.ibm.com/sns Live Weather From Antarctica The Australian government's Antarctic Program provides live weather and Web cam views from the South Pole onto the Internet. The information comes from four different stations in Antarctica and the Web site also includes lots of other information from the continent...
?

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File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200562
         (c) 2005  Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2005/Sep W03
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050929,UT=20050922
         (c) 2005 WIPO/Univentio
File 324:German Patents Fulltext 1967-200538
         (c) 2005 Univentio

Set     Items   Description
S1        593   AU=MARSHALL R?
S2         23   AU=SLOOP C?
S3       4077   AU=LIU C?
S4       4685   S1:S3
S5     214638   WEATHER? OR CLIMATE? OR CLIME OR CLIMES OR METEOROLOG? OR -
             BAROMETE? OR BARAMETR? OR ANEMOL? OR AEROLOG?
S6       1385   S5(5N)(DYNAMIC? OR REALTIME OR REAL()TIME? ? OR LIVE OR ST-
             REAM?)
S7          1   S4 AND S6
S8          0   S3 AND S1:S2
S9          8   S1 AND S2:S3
S10         1   S9 AND S5
S11         8   S2 AND (S1 OR S3)
S12         1   S11 AND S5
S13         2   S7 OR S10 OR S12

 13/9/1     (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005  Thomson Derwent. All rts. reserv.

015150932
WPI Acc No: 2003-211459/200321
XRAM Acc No: C03-054014
XRPX Acc No: N03-168533
  Unattended monitoring system for beam-pumping unit group and data
  processing method
Patent Assignee: TIANSHANGXING MEASURING CONTROLLING TECH (TIAN-N)
Inventor:  LIU C ; ZHANG J; ZHAO H
Number of Countries: 001  Number of Patents: 001
Patent Family:
Patent No     Kind   Date     Applicat No    Kind   Date     Week
CN 1169503     A   19980107  CN 96106555     A   19960621  200321  B

Priority Applications (No Type Date): CN 96106555 A 19960621
Patent Details:
Patent No  Kind Lan Pg   Main IPC     Filing Notes
CN 1169503    A        E21B-047/00

Abstract (Basic): CN 1169503 A
        NOVELTY - Unattended monitoring equipment for all- weather   real -
    time  detection of the working state of a well pumping unit in an oil
    field comprises a monitoring center and several data acquisition
    terminals. Each data acquisition terminal comprises a pressure
    transducer, an acquisition unit and a special-purpose power supply for
    the acquisition unit. The output of the pressure transducer-polish rod
    load of the well pumping unit is transferred to the monitoring center
    by wireless communication, then a microcomputer is used to perform data
    processing, data analysis and diagnosis and form a plot indicator
    diagram of the well pumping unit.
        DwgNo 0/0
Title Terms: UNATTENDED; MONITOR; SYSTEM; BEAM; PUMP; UNIT; GROUP; DATA;
  PROCESS; METHOD
Derwent Class: H01; Q49; T01; T06
```

International Patent Class (Main): E21B-047/00
International Patent Class (Additional): G05B-015/00
File Segment: CPI; EPI; EngPI
Manual Codes (CPI/A-N): H01-B03B2; H01-D03
Manual Codes (EPI/S-X): T01-J07A; T01-J08F; T06-D12

13/9/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014358482 **Image available**
WPI Acc No: 2002-179183/200223
XRPX Acc No: N02-136292
On-line sports information entry and retrieval system allows media partners to access database that is organized on geographic or dominant market area basis
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Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020010697	A1	20020124	US 99168769	P	19991206	200223 B
			US 2000729788	A	20001206	

Priority Applications (No Type Date): US 99168769 P 19991206; US 2000729788 A 20001206
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020010697	A1		18	G06F-017/30	Provisional application US 99168769

Abstract (Basic): US 20020010697 A1
NOVELTY - Reporters gather the sports information and enter information through global computer network into a database. Media partner e.g. radio and television broadcaster, newspaper publisher, etc., are allowed to access database that is organized on geographic or dominant market area basis for retrieving specific sports information. Menu of information categories is presented to users through network, based on the retrieved information.
USE - For entry and retrieval of available information on scholastic and league amateur sports, team players, game schedules, team and player ranking, historical data, directions to game sites, and even current **weather** condition at location of any particular game, using Internet.
ADVANTAGE - Unsurpassed, timely coverage of local sports events are provided, thereby making the sports information readily available from any location having Internet access.
DESCRIPTION OF DRAWING(S) - The figure shows a web page layout of on-line sports information entry and retrieval system.
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Title Terms: LINE; SPORTS; INFORMATION; ENTER; RETRIEVAL; SYSTEM; ALLOW; MEDIUM; PARTNER; ACCESS; DATABASE; GEOGRAPHICAL; DOMINANT; MARKET; AREA; BASIS
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05B4P; T01-N01A2A
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